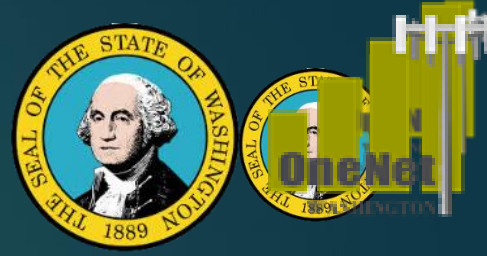


State of Washington Initial Consultation with FirstNet

16 OCTOBER 2014



Photograph

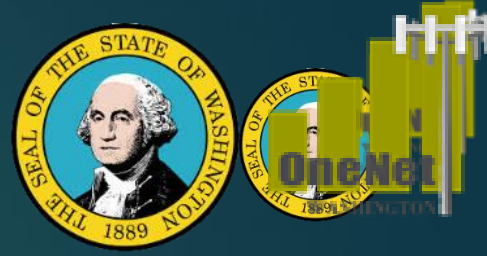
16 OCTOBER 2014



Announcements



- ▶ Wi-Fi: TCExpo – no password
- ▶ Devices
- ▶ Emergency exits and restrooms
- ▶ Breaks and Coffee Stations
- ▶ Lunch – Heritage Hall – buffet
- ▶ Charging Stations
- ▶ Video - Marilyn Freeman and Team
- ▶ Questions and comments: Elected officials and Chiefs
- ▶ Questions and comments: Event-Mobi
- ▶ Event-mobi instructions in your packet
- ▶ Great Washington Shake-Out at 10:16



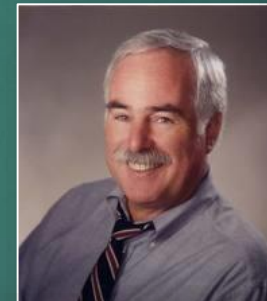
Video

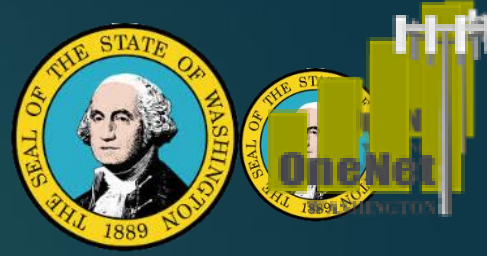
16 OCTOBER 2014



Washington State Interoperability Executive Committee

- ▶ John Batiste, State Patrol Chief
- ▶ Bill Benedict, Clallam County Sheriff
- ▶ Al Compaan, Edmonds Police Chief
- ▶ Bret Daugherty, Adjutant General
- ▶ Mike Doherty, Clallam County Commissioner
- ▶ Chuck Duffy, Fire Marshal
- ▶ Robert Ezell, Emergency Mgmt Director
- ▶ Stephanie Fritts, Pacific County EM Director
- ▶ Jennifer Gregerson, Mayor
- ▶ Randell Harris, Quinault Tribe
- ▶ Albert Kassel, Resource Director, DNR
- ▶ Patti Kelly, Whitcom 911 Director
- ▶ John Nisbet, State Traffic Engineer
- ▶ Jim Sharp, West Pierce Fire Chief





Introductions

16 OCTOBER 2014



Washington Update

INITIAL CONSULTATION WITH FIRSTNET

BILL SCHRIER

16 OCTOBER 2014



Washington State Interoperability Executive Committee

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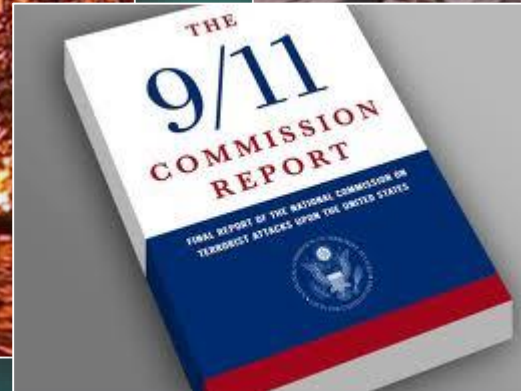
SIEC



- State Interoperability Executive Committee
- Oversees interoperability for **state agency** radio networks
- Concerned about interoperability statewide for responders, e.g. SR530 slide, wildfires
- Designated by Governor Inslee as **FirstNet Point of Contact**



SIEC Goal: The best possible design for FirstNet to meet the needs of Washington responders





OneNet vs FirstNet



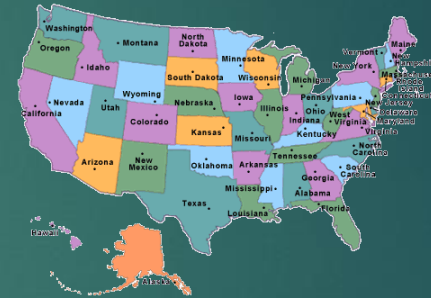
State



www.ocio.wa.gov/onenet

Goal: Best design
for Washington

Federal



www.firstnet.gov

Goal: Build, Operate
a Network

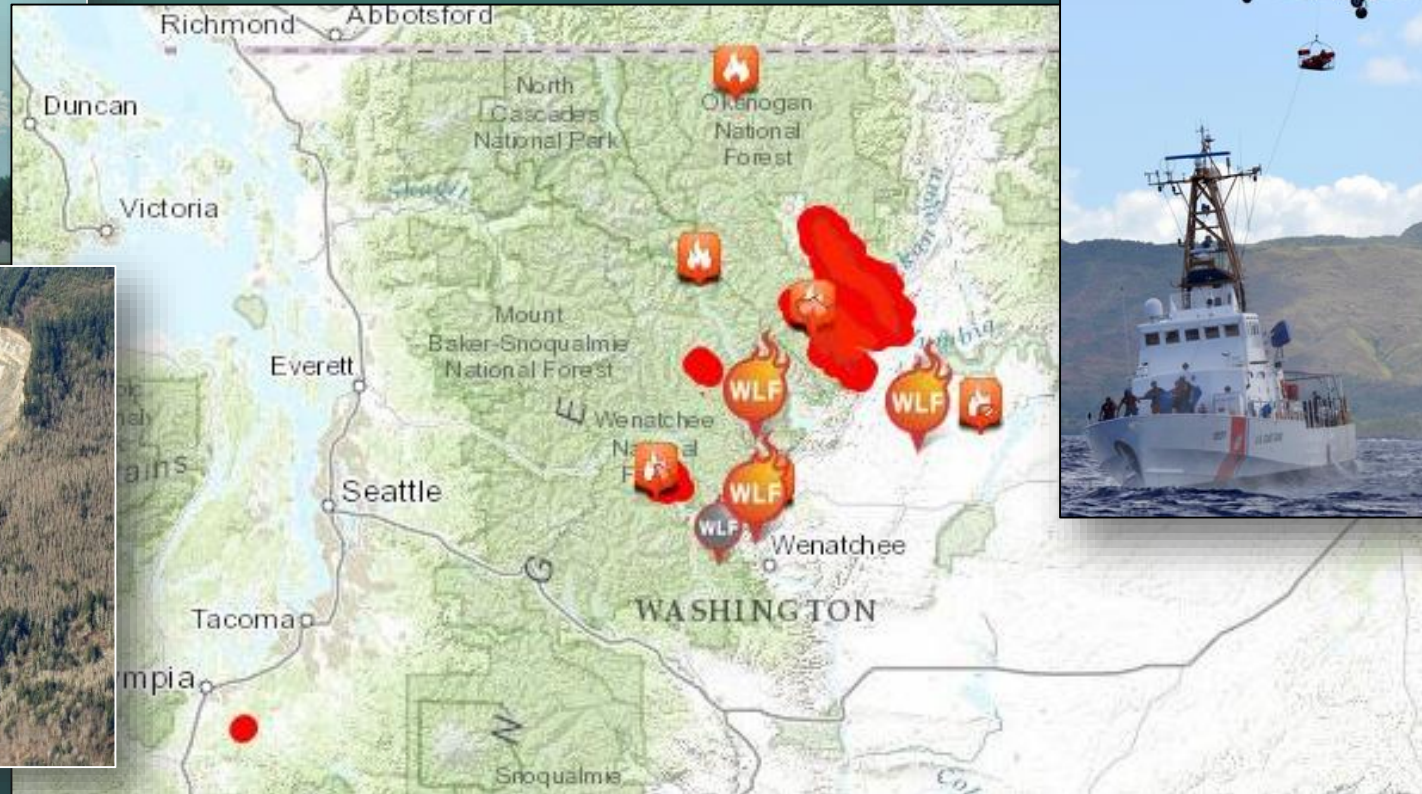


FirstNet:
How much will it cost?





What parts of the State will it cover?

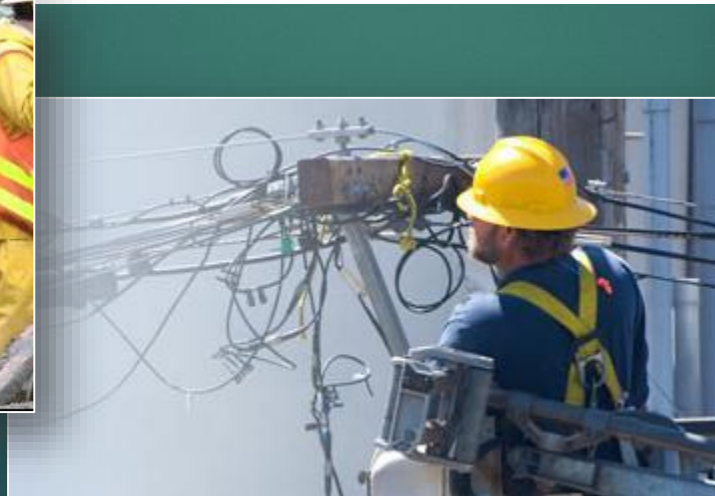




Who gets to use it?



ESF	Title
1	Transportation
2	Communications
3	Public Works and Engineering
4	Firefighting
5	Emergency Management
6	Mass Care, Emergency Assistance, Housing and Human Services
7	Logistics Management and Resource Support
8	Public Health and Medical Services



**American
Red Cross**

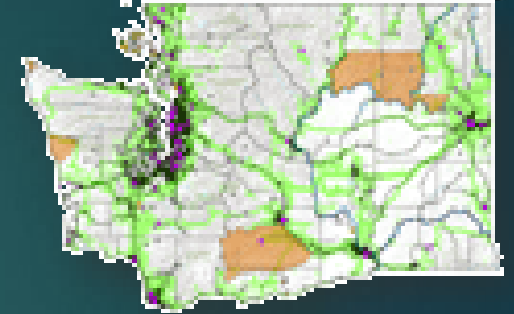




Help Us Answer ...

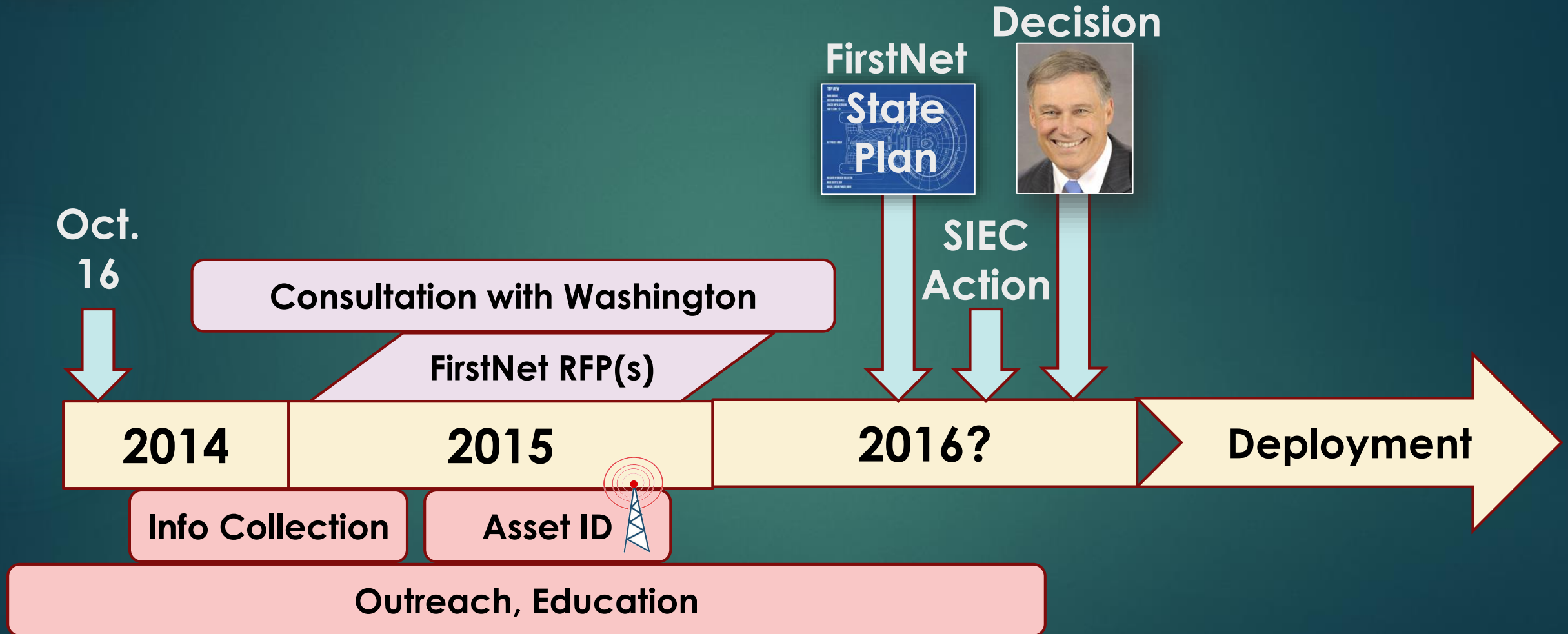


- Will FirstNet cover where we respond?
- How much will it cost per user?
- How to spend \$100M+ to build?
- What devices can we use?
- Will it reach into buildings?
- Who gets to use it?
- What apps will it have?
- Who has priority?
- ... and more ...



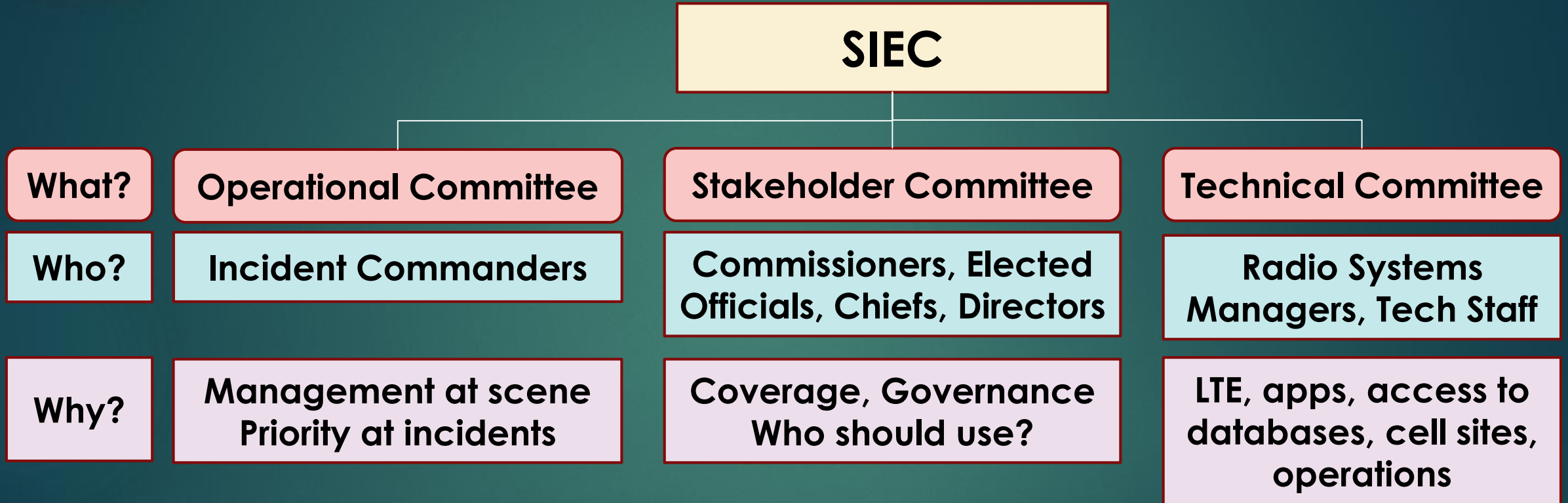


Timeline Guesstimates





Working with FirstNet on a Plan



FirstNet™

State Plans Staff
Region X Staff



Washington OneNet Team



**Bill
Schrier**



**Shelley
Westall**



**Michael
Marusich**



**Katrina
Osborn**

OneNet@ocio.wa.gov
OneNet.wa.gov



Washington OneNet Support Team



**WSU Division of Governmental
Studies & Services**

**Mike Gaffney
Monica Babine
Christina Sanders
John Snyder**



**Pacific Northwest Economic
Region**

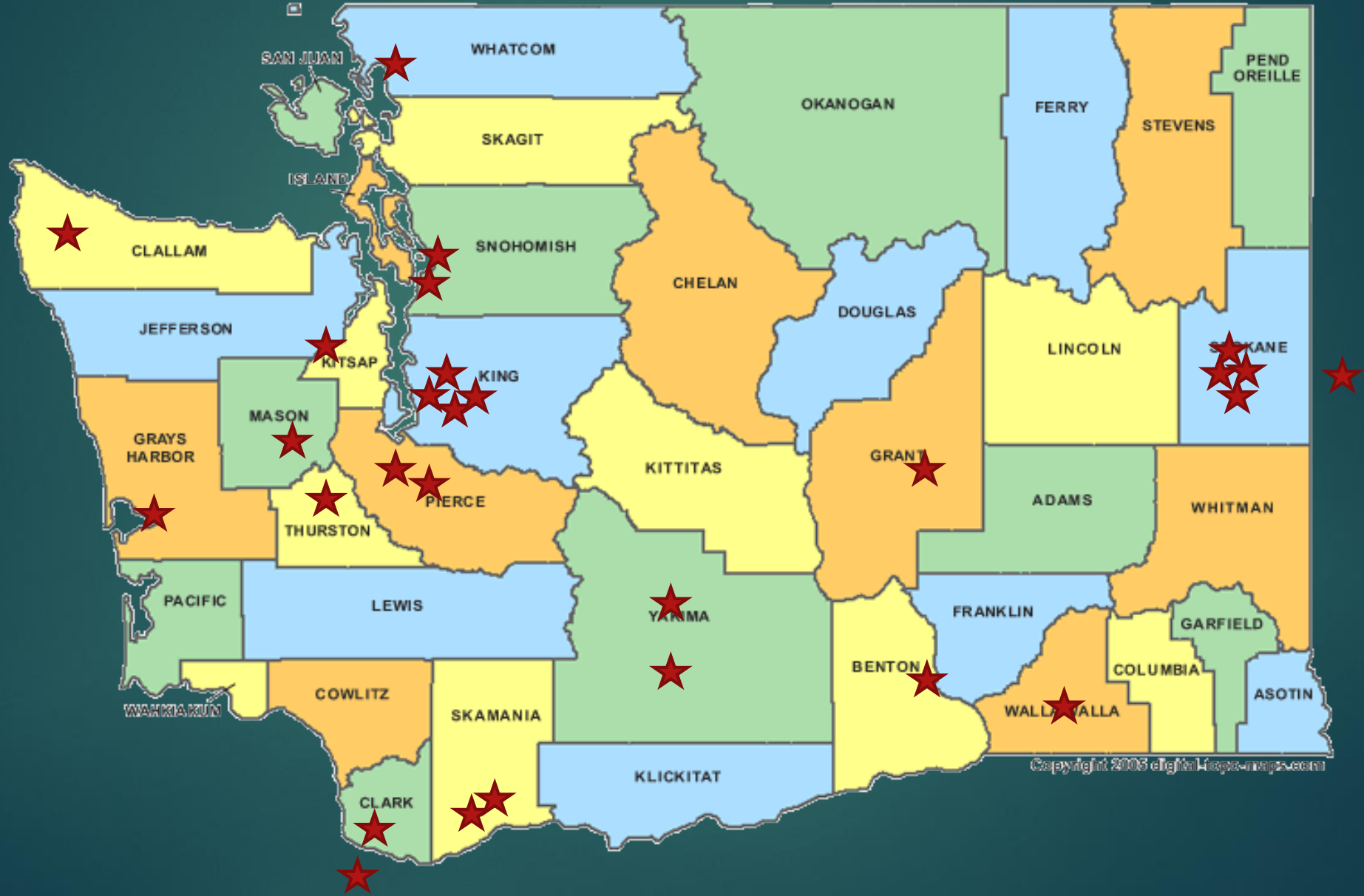
**Branden Hardenbrock
Eric Holdeman**

Jim Pryor

**OneNet@ocio.wa.gov
OneNet.wa.gov**

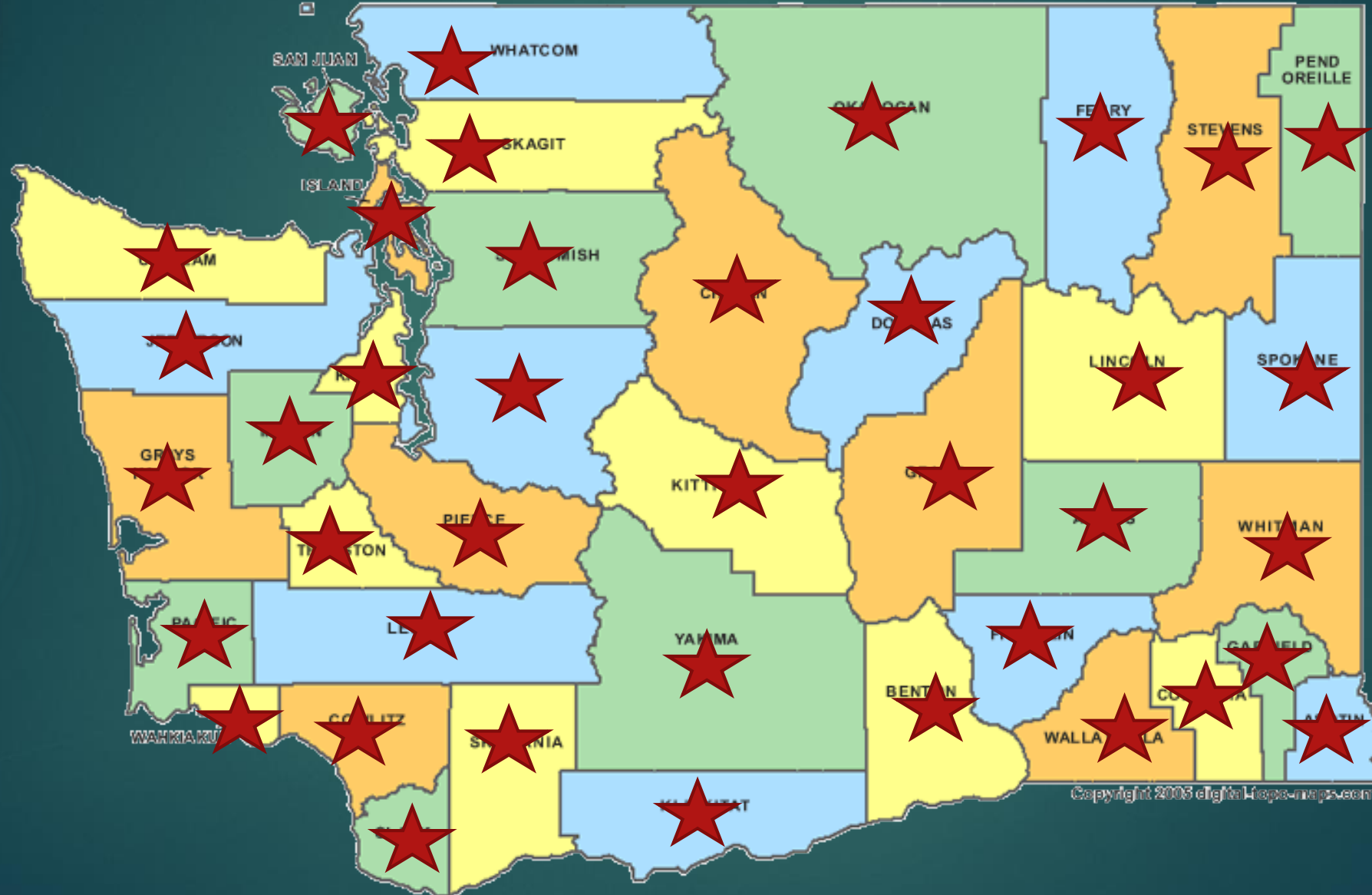


Where We've Been





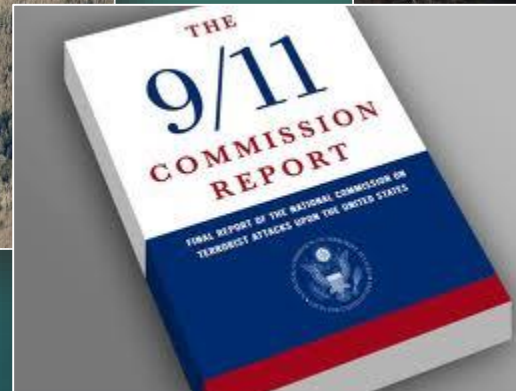
Where we're going ...



Copyright 2005 digital-maps.com



SIEC Goal: The best possible design for FirstNet to meet the needs of Washington responders





Mike Worden
Chief Deputy – Special
Ops/Communications
911 Coordinator
Okanogan County Sheriffs Office

Carlton Complex
Wildland Fire
Okanogan County
July – Aug
2014



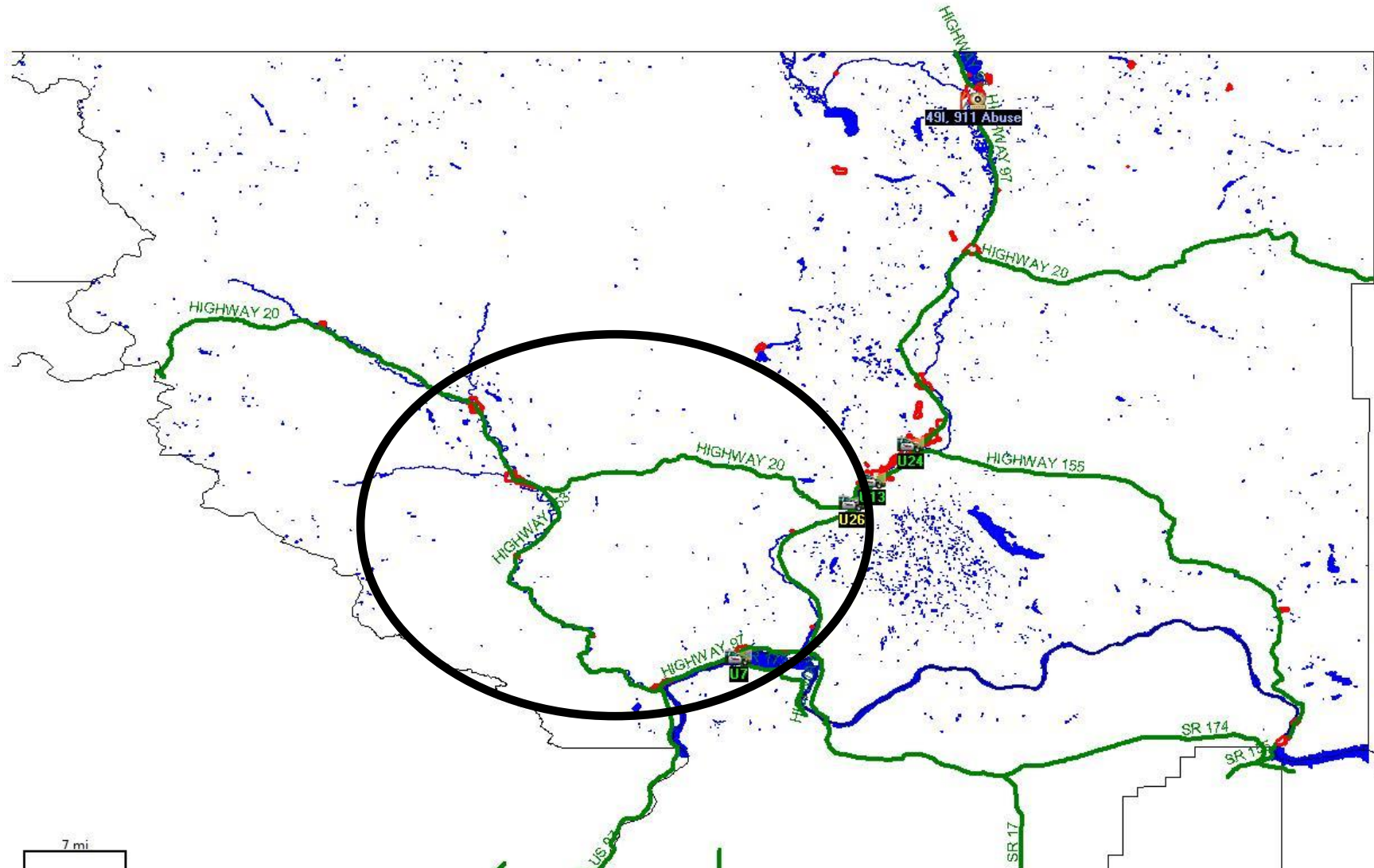
Washington State



Okanogan County

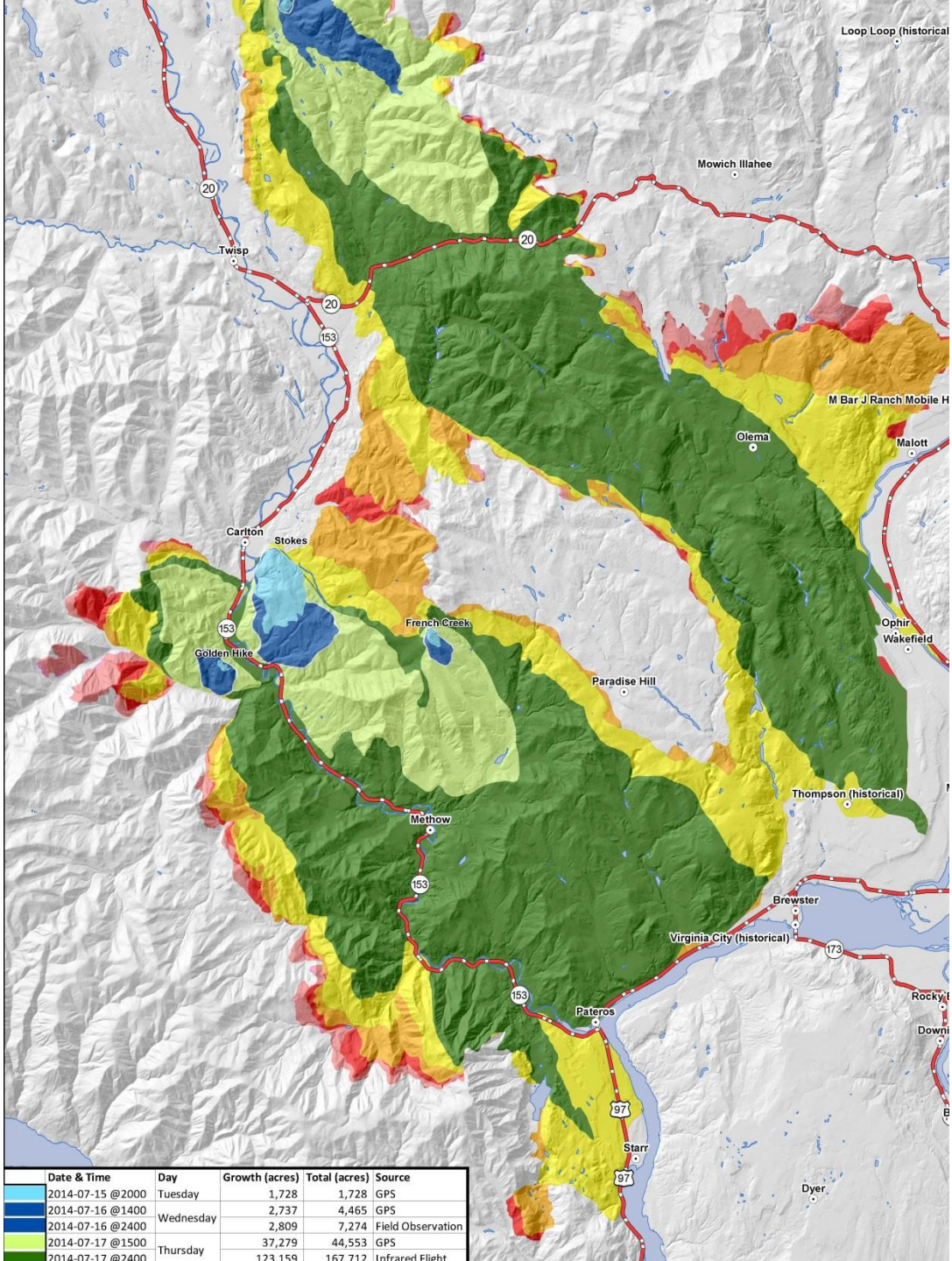
Where's the fire?

CAD Session 1



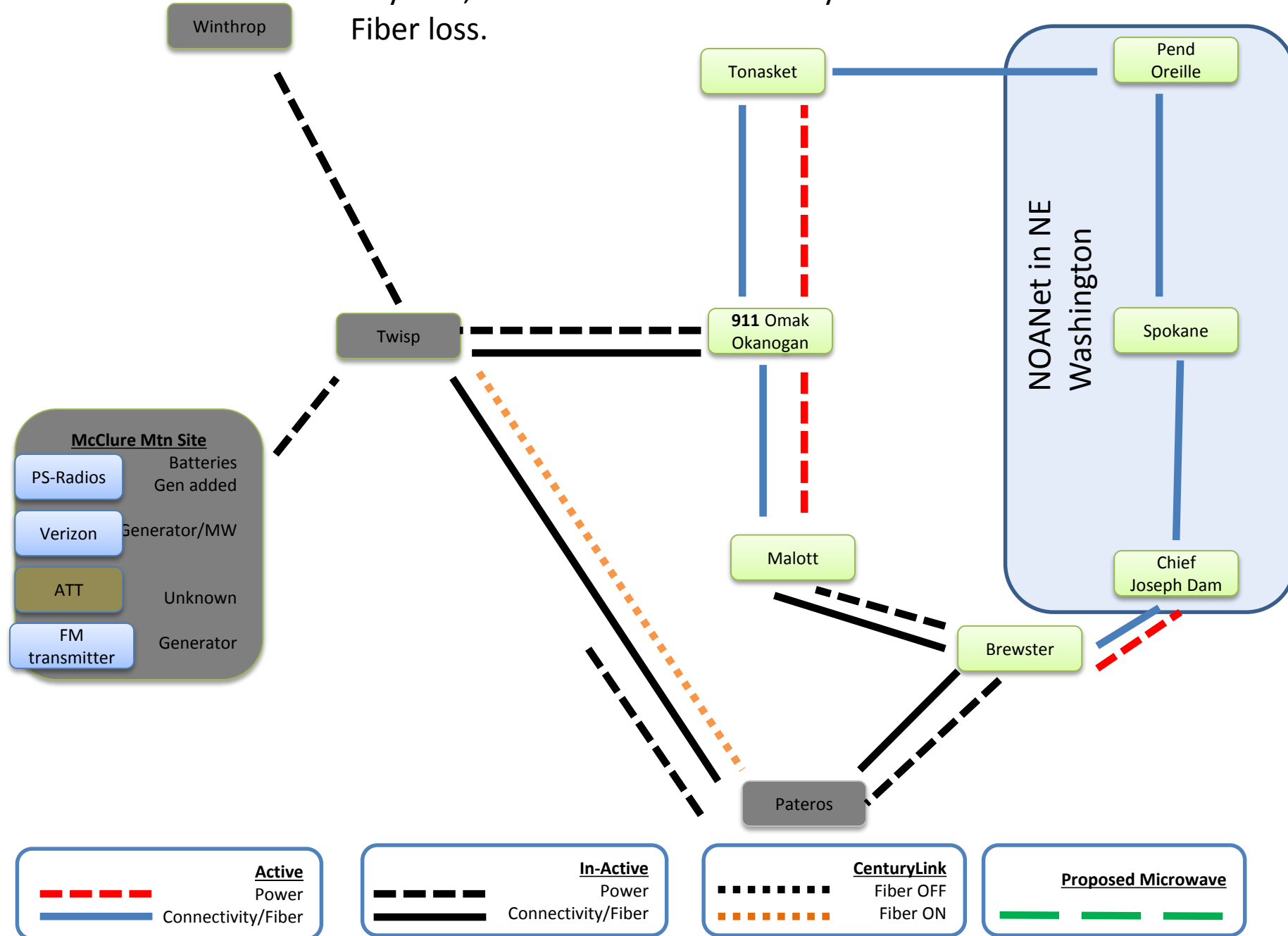
Fire Statistics

- **Started:** July 14, 2014
- **Started as 4 separate fires:**
 - Stokes Fire Gold Creek Fire
 - French Creek Fire Cougar Flats Fire
- **Acreage:** 256,108 acres (400.2 square miles)
 - 80,564 acres FS - 70,215 acres WA State
 - 6,157 acres BLM - 99,082 acres Private Lands
- **Homes lost:** 237 plus 55 cabins
- Largest fire in Washington State history
- 12 more homes lost in Rising Eagle fire
- 12 more home damaged/destroyed in mudslides



Date & Time	Day	Growth (acres)	Total (acres)	Source
2014-07-15 @2000	Tuesday	1,728	1,728	GPS
2014-07-16 @1400	Wednesday	2,737	4,465	GPS
2014-07-16 @2400		2,809	7,274	Field Observation
2014-07-17 @1500	Thursday	37,279	44,553	GPS
2014-07-17 @2400		123,159	167,712	Infrared Flight

July 18th, 2014 ~ 12am – Davis Canyon south Power and Fiber loss.





Agencies Involved at Pateros

10 Law Enforcement Agencies (56 units)

Okanogan County Sheriff Office -25

Chelan County Sheriff Office - 3

Douglas County Sheriff's Office - 5

Washington State Patrol - 7

WA Dept Fish & Wildlife -5

Brewster PD - 2

Omak PD - 3

Colville Confederated Tribes PD - 4

Winthrop Marshall's Office - 1

Twisp PD – 1

WA State Parks – Alta Lake

6 Dispatch Centers

Okanogan County Dispatch

RiverCom – Douglas/Chelan Counties

MACC – Grant County

Colville Confederated Tribes Dispatch

Ferry County Dispatch

WA State Patrol - Wenatchee

5 EMS Agencies

Aero Methow Rescue

Fire District #15 (Brewster/Pateros)

LifeLine Ambulance (Omak/Okanogan)

Grand Coulee Ambulance

Lake Chelan EMS

11 Fire Agencies (100+ units)

Fire District 6 (upper Methow Valley)

Fire District 15 Lower Methow/Brewster/Pateros

Fire District 3 (Omak/Okanogan/Malott)

Fire District 7 (Riverside)

Conconully City Fire Department

Fire District 9

Fire District 8

Mt Tollman Fire Center (BIA Keller)

WA Dept Natural Resources

Spokane Co

Grant Co

1 Other Agencies

Okanogan PUD

Frequencies Used

Sheriff South County Repeated

Okanogan County Dispatch
IC- South (Brewster/Pateros)
WA State Parks – Alta Lake
Law, Fire, EMS beyond tactical reach

LERN

IC- South (Brewster/Pateros)
Okanogan County Sheriff Office
Chelan County Sheriff Office
Douglas County Sheriff's Office
Washington State Patrol
WA Dept Fish & Wildlife
Brewster PD
Omak PD
Colville Confederated Tribes PD
RiverCom – Douglas/Chelan Counties
Okanogan County Dispatch
WA State Patrol (capable)

Simplex Tactical

Fire District 15 (Methow/Brewster/Pateros)
LifeLine Ambulance (Omak/Okanogan)
Grand Coulee Ambulance
Lake Chelan EMS
Fire District 3 (Omak/Okanogan/Malott)
Fire District 7 (Riverside)
Fire District 8
Conconully City Fire Department
Fire District 9

Fire Agency Repeated

Mt Tollman Fire Center (BIA Keller)
WA Dept Natural Resources

Sheriff West County Repeated

Okanogan County Sheriff Office
Winthrop Marshall's Office
Twisp PD

West County Fire - Repeated

Fire District 6 (upper Methow Valley, 1 site)

AeroMethow – West County - Repeated

Aero Methow Rescue (upper Methow Valley, 1 site)

East County Fire – Repeated (Chilliwist)

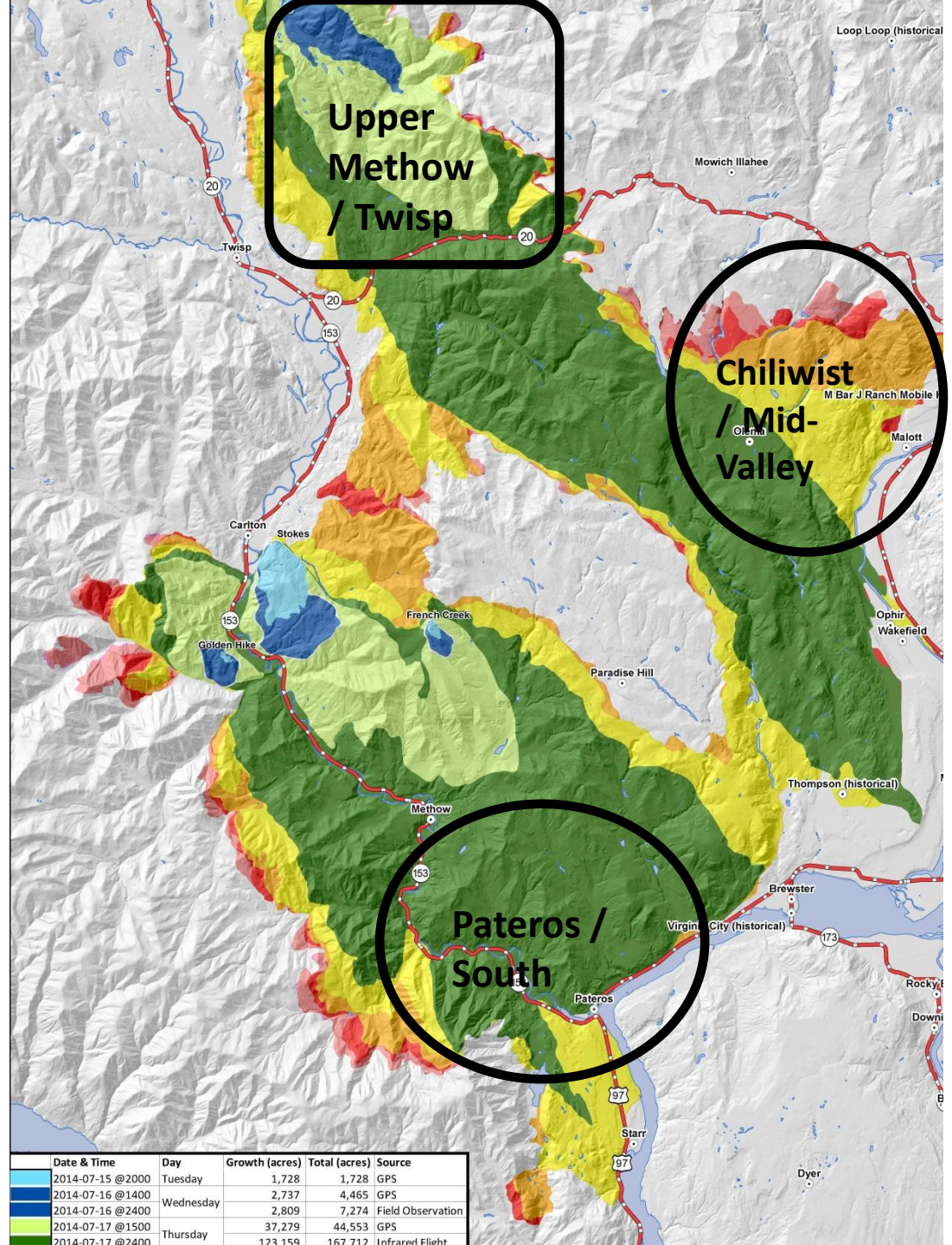
Fire District 3 (Omak/Okanogan/Malott)

Other Agencies

Okanogan PUD – UHF Repeated ***only UHF agency***
-Sheriff contact via phone only.

Telephone

MACC Dispatch – Grant County (telephone only)
Colville Confederated Tribes Dispatch (telephone only)
Ferry County Dispatch (telephone only)
WA State Patrol – Wenatchee (telephone only)
RiverComm



29 miles

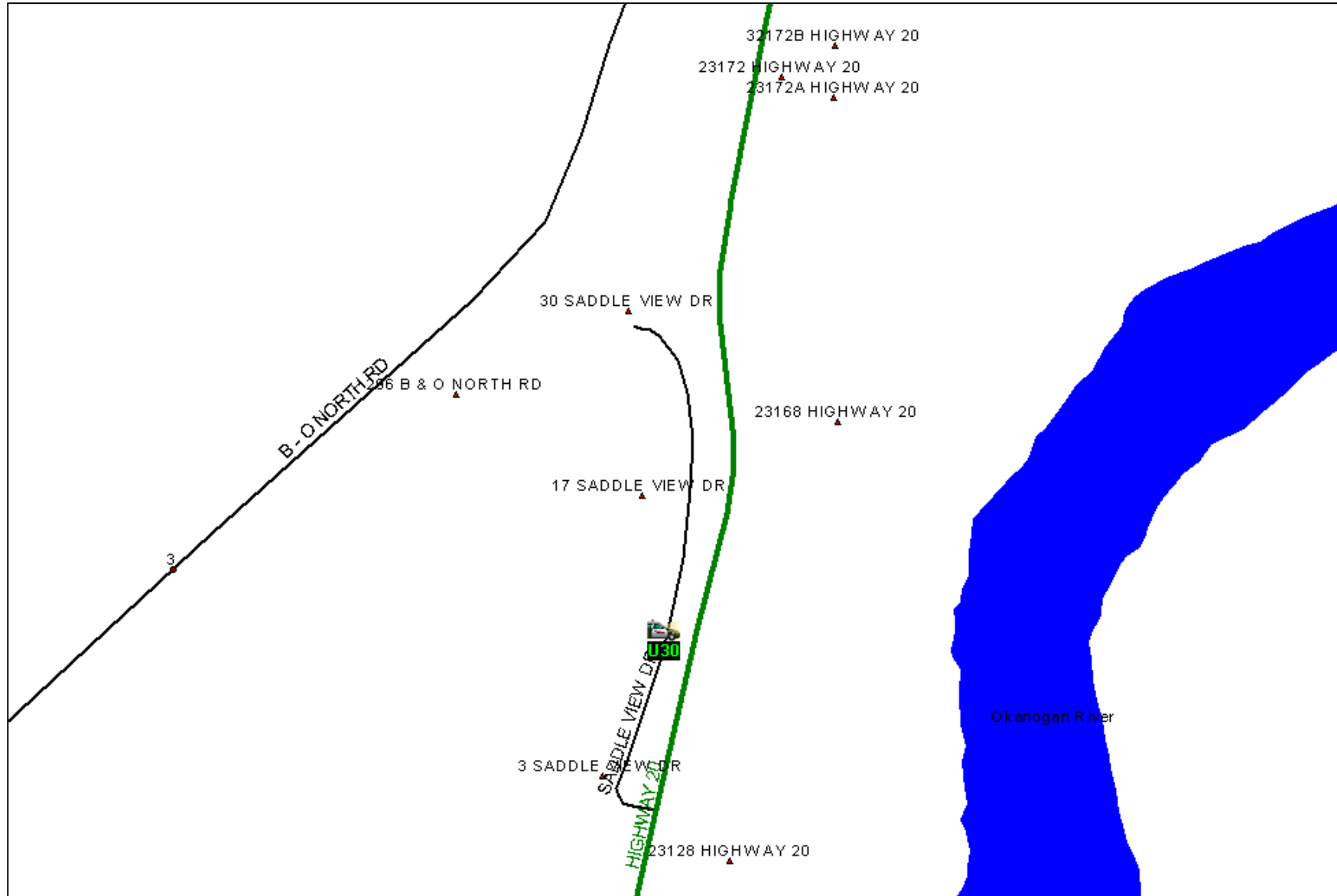


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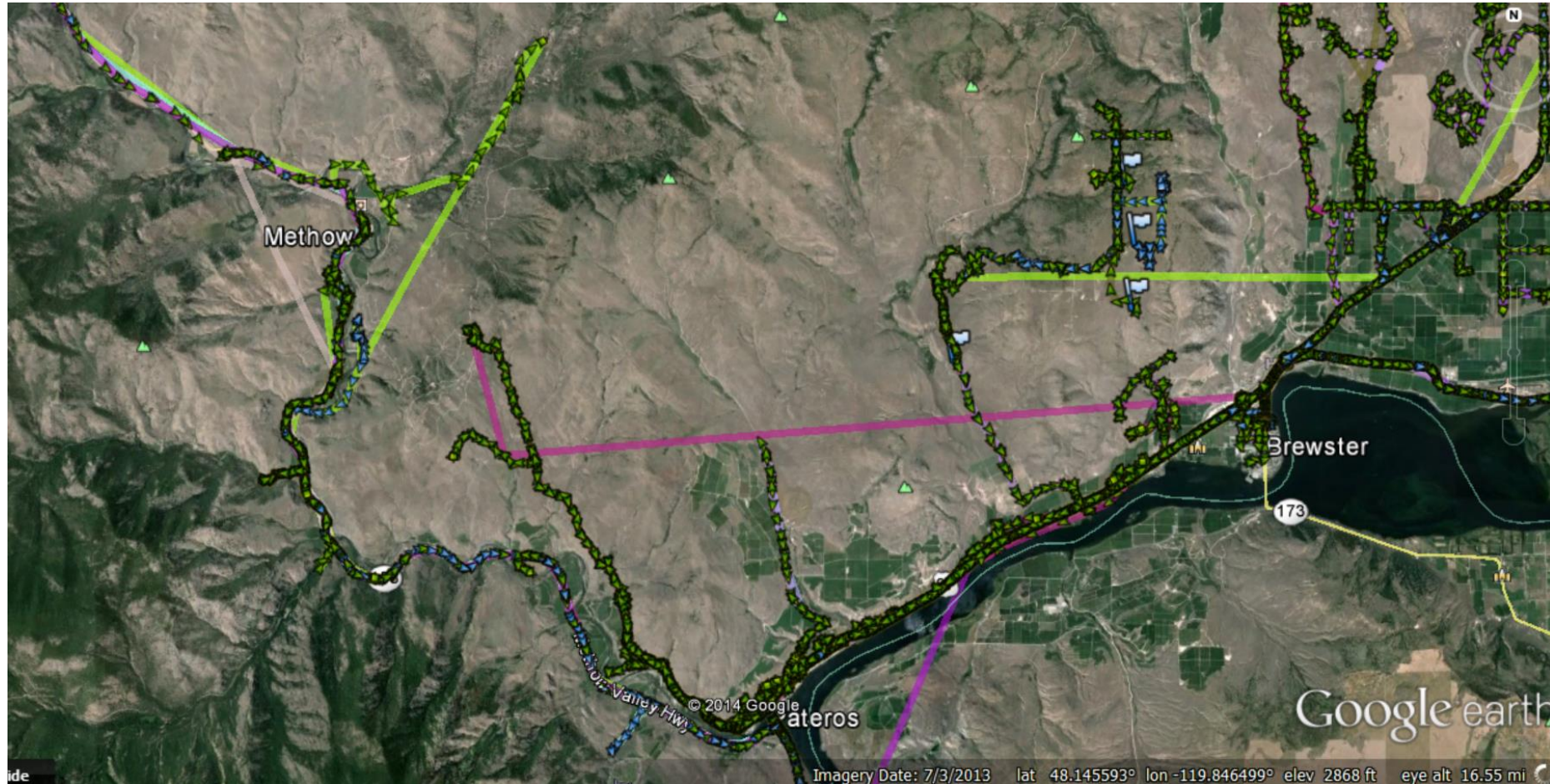
Data

- Sheriff and some Police field units use mobile computers via cellular data
- Access to GIS data
 - Structure points
 - Roads
 - AVL
- Alternate messaging path
 - Instant messaging with dispatch / other units.
- One cellular carrier failed, one carrier did not fail.
 - OCSO's carrier did not lose service.

Evacuation Notices



AVL & Cellular Coverage Limits



Cellular works well where there is coverage
Data through other means would improve coverage.

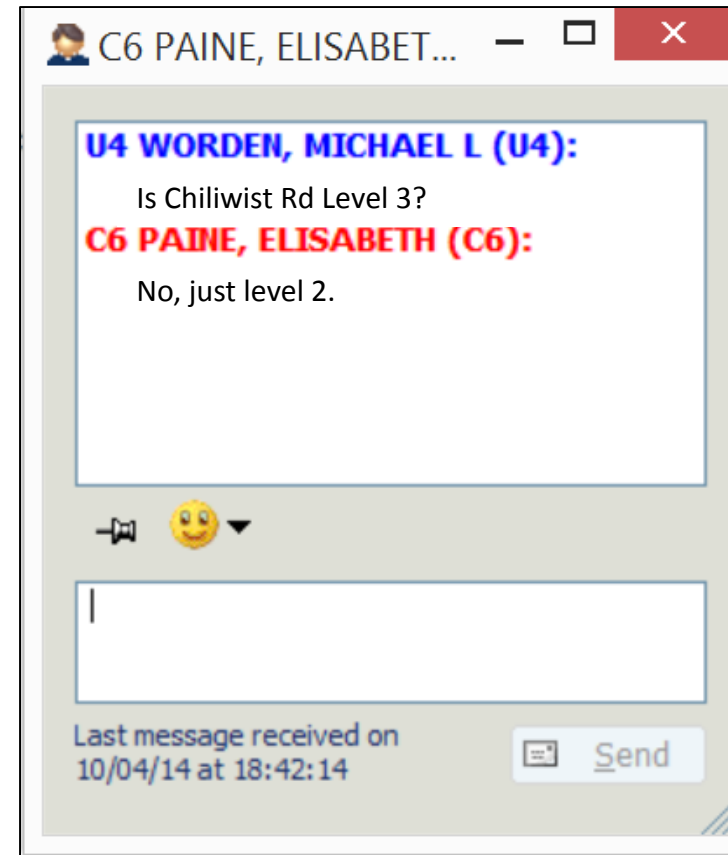
Mobile CAD

<div> ★ My Call 📞 No Call 📄 RLog 📅 RLog History 🔧 Assist 🚒 Responding Units 🔍 Next Call </div>									
All	Call#	Nature	Location	City	Zone	P	Status	Time	Units
	62l	Drugs	648 N 6TH AVE; 1	OKA	LMS	4	ASSG	13.4m	U19
	56l	Recovered V	N 2ND AVE & NORMAN S	OKA	LMS	6	ARRV	27.7m	U6
	47e	Transfer Patie	411 FORTUYN RD; TO SACR	GRA	EGC	5	ENRTH	1.1H	M550
All	Unit	Status	Time	Call#	Zone	Agency	Location	Description	
	U4	AVLBL	19.0H		LNS	OCOM		Completed Call call=55l	
	U19	ASSGN	13.4m	62l	LMS	OCSO	648 N 6TH AVE; 1	incid# =S14-06706 Assigned to a Call call=62l	
	U6	AOCJ	48.8m	56l	LMS	OCSO	N 2ND AVE & NORMAN ST	ARRIVED AT OCJ call=56l	
	M550	ENRTH	1.1H	47e	ECDA	CDAM	411 FORTUYN RD; TO SACRED HE	incid# =E14-03154 ENROUTE TO HOSPITAL call=47e	
	U17	AVLBL	0.4m		LMS	OCSO			
	U10	AVLBL	1.1m		LSS	OCSO			
	206	AVLBL	10.9m		LNR	ORPD		incid# =R14-1176 Completed Call clr:RRT call=60l	
	302	AVLBL	21.4m		LNT	TOPD		BIC	
	304	AVLBL	43.8m		LNT	TOPD		CLR STATUS	
	411	AVLBL	30.8m		LMK	OMPD			
	414	AVLBL	58.5m		LMK	OMPD			

Calls for service were communicated without requiring a radio frequency, assuming cellular coverage.

Messaging

- One to one mail or instant messages
- One to many mail or instant messages.
- Alerts
- Securely transmitted without occupying a radio frequency.



Questions?

Mike Worden

Chief Deputy – Special Ops/Communications

911 Coordinator

mworden@co.okanogan.wa.us



SR 530 Flooding and Mudslide – March 2014

Scott Honaker

FIRSTNET INITIAL CONSULTATION WITH THE
STATE OF WASHINGTON

16 OCTOBER 2014



SR 530 Incident Overview



- ▶ 10:37 a.m. March 22 a landslide impacted the North Fork of the Stillaguamish River, devastated the Steelhead Haven community and flooded adjacent properties and homes.
- ▶ A debris dam locked the river and backed up water creating a "lake".
- ▶ 45 homes were impacted
 - ▶ 36 destroyed, 9 flooded
- ▶ SR 530 was impassible and partially destroyed.
- ▶ Fiber line was cut leaving no Internet, phones or 911 service to Darrington and areas near the slide.



Approximately 1 square mile covered up to a depth of 70 feet





Overview Continued



- ▶ **Daily deployment was nearly 1000 people!**
 - ▶ **705 tactical Personnel are assigned (includes community volunteers and Nat'l Guard team members)**
 - ▶ **139 Overhead Personnel, 19 FEMA IST personnel (not including 8 cache drivers), 13 Agency Liaison Officers**
 - ▶ **Includes: 2 Type 1 US&R Task Force, 6 National Guard SAR Teams, 3 Rescue Boats, 2 Helicopters, 6 HazMat units, 25 K-9 Search Teams, 2 Tech Rescue Teams, 4 Engines, 2 ALS Ambulances, 2 BLS Ambulances, 71 Heavy Equipment, 15 Law Enforcement, 2 National Guard FSR Teams, 2 National Guard Decon Teams, 1 CISM (15 Members) Team**



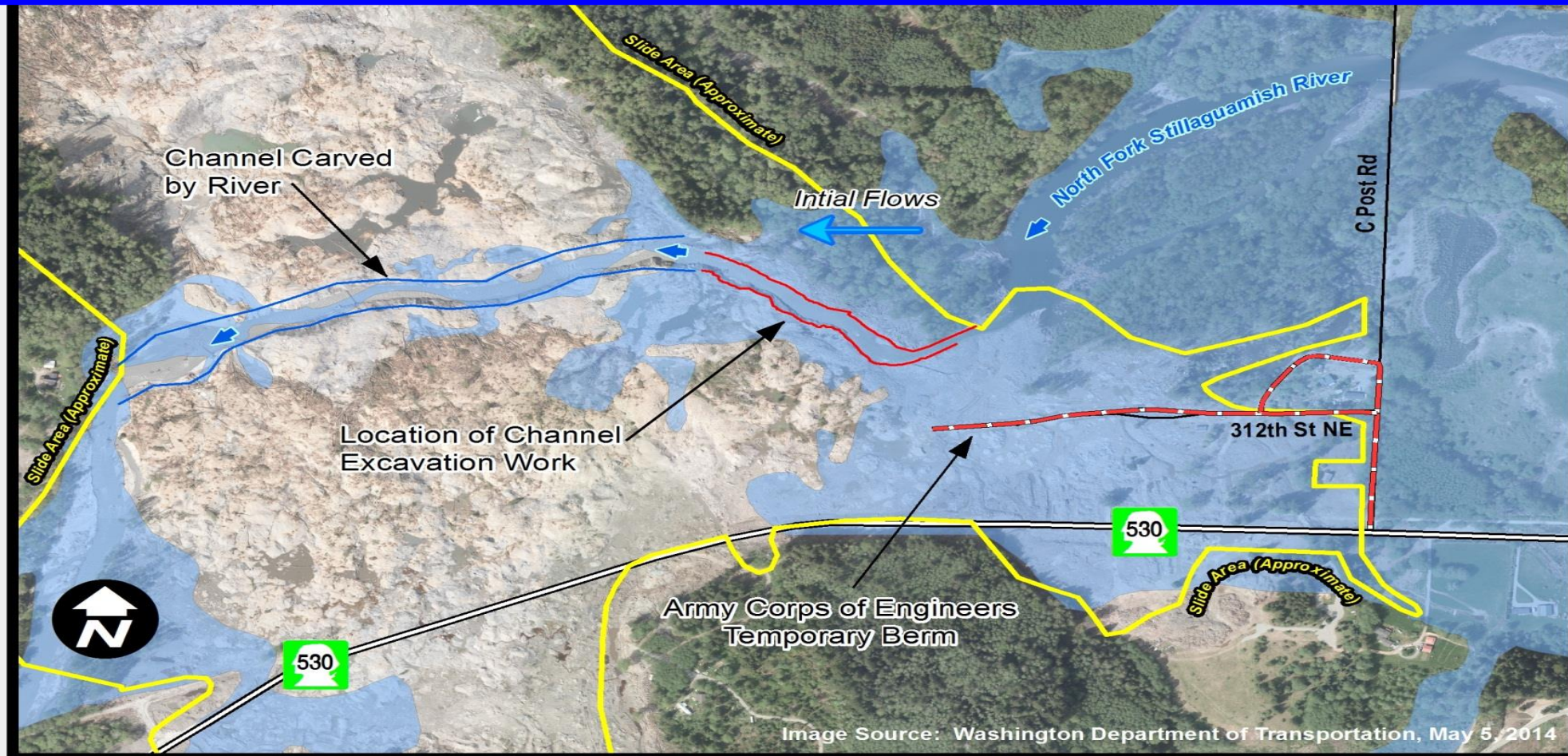
Human Impact



- ▶ 14 survivors were airlifted within hours of the disaster
- ▶ 43 victims were reported as missing
 - ▶ All were found and identified
- ▶ Hundreds of responders and community members continue to deal with the emotional and social impacts of the disaster

North Fork Stillaguamish River:

- Slide blocked river channel & caused upstream flooding
- River carved its own channel through slide debris
- Steps taken to help search & recovery efforts:
 1. Channel excavation to improve river flows
 2. Temporary berm & pumps installed to remove water
- Multi-agency Task Force will review short/long term options for river





Challenges



- ▶ **Multiple incidents in one**
 - ▶ Search, rescue, flooding, mass casualty, mass fatality, evacuation, infrastructure failure, missing persons, mental health, volunteers, donations, etc...
- ▶ **Remote location with limited roadways**
- ▶ **Depth and type of debris material**
- ▶ **Weather**
- ▶ **Public/media expectations**
 - ▶ Wanted to know everything immediately
 - ▶ Didn't comprehend the process or time involved



Communications Issues



- **Limited public communications with Darrington**
 - Verizon Wireless was the only operational provider
 - Over the air TV reception not possible
 - Twitter and Facebook were primary media sources
- **County 800/VHF radio infrastructure worked perfectly**
 - Cache radios used extensively but a limited resource
 - Icall/Itac and SERS talk groups used for debris field communications
- **Radio and data available through command vehicles**
 - Data performance limited to overloaded Verizon 3G in Darrington



Future Solutions



- SERS already purchased cache of radios/chargers
- DEM completed portable repeater, expanded cache and is creating deployable portable VHF/UHF/800/Air band systems
- Command vehicles are getting new computer systems, better CAD access and radio improvements
- Several new CarryViewer aircraft video downlinks have been purchased
- Redundant/secure data would be helpful



Dick Reed

Captain, Seattle Police
9-1-1 Center Director



